

Insta-BOND B01

Block Joining Mortar

TECHNICAL DATA SHEET

Product Description

INSTA BOND B01 - Block Joining Mortar is a Polymer added Cement Mortar .It is specially designed for better performance of joining AAC blocks, fly ash bricks and Other lightweight Building blocks. B01 is high strength Material and water retention properties even when in thickness of 2-3mm layer.

Application Areas

For interior and exterior use, for preparing thin-bed mortar for AAC , Light Weight and Cellular Concrete Blocks.

Advantages

- High Bond Strength
- No shrinkage cracks
- High Thermal Insulation
- Flexible, shock & impact resistant
- Improved compressive & tensile strength
- Easy to use
- Economical
- Premixed

Suitable Substrates

- Light weight blocks
- Concrete Blocks
- Cement Mortar Blocks/Bricks
- Concrete hollow blocks
- Cellular concrete blocks
- Fly Ash Bricks

Packaging 40 Kg Bags

Colour Grey Powder

Coverage

Coverage is based on smoothness and evenness of the substrate, size of blocks used and the thickness of mortar used.

A coverage of 170-180Sq.Ft. per 40 kg bag (for 4" thick blocks)

Prepare adhesive by adding INSTA BOND B01 - Block Joining Mortar and add 25-30% Water and mix Properly.

Shelf Life

Factory packed bags of INSTA BOND B01 - Block Joining Mortar carries a shelf life of 12 months, if stored in cool & dry place. However, as temperature, humidity, water addition & other parameters vary from site to site, the information should be treated as a general guideline.

Technical Data

Performance Properties

Insta-BOND B01 mixed with water

Test	Result
Compressive Strength	> 8 MPa
Split Tensile Strength	> 0.45 MPa

Working Properties

Insta-BOND B01 mixed with water (70°F (21°C))

Pot Life	1.5 - 2 Hours
Open Time	25 Minutes
Time to Plaster	24 Hours
Time to full dry hard	14 Days

Installation Method

Surface Preparation:

The application surface /substrate must be free from loose particles or any other foreign material prior to commencement of work/application of any Instachem products. Pre-wet or damp surface with good quality fresh water, if necessary.

Mixing:

Use approx. 40kg of Instachem - Block Joining Mortar thin bed mortar with Approx. 10-12 litres of potable water. It is utmost important to add Dry Mix Product to the water and not vice-versa. Mix the material by hand or using a slow speed electrical stirrer in a way that a uniform mixture (free from lumps) is formed. Allow the mixture to rest for 2-3 minutes for polymers to act. Remix the mixture before use.

Application

Thin bed mortar for laying blocks:

Before placing mortar, ensure the block work to be dry and surfaces cleaned properly. Place the mixed mortar on the blockwork in thin layers of 2 to 3 mm (or as required by engineers at site) using trowel and place the next layer of blocks on then mortar. Keep joints between the blocks as required by the site engineers and fill the joints with the mixed mortar, using a thin bed trowel. Check the plumb of the wall while laying the blocks to keep the walls perfectly vertical to the plumb.

Limitations

Adhesives / mortars and grouts for blocks and bricks are not replacements for waterproof membranes. When a waterproof membrane is required, use a different product for the same.

Cautions

- During cold weather, protect finished work from use until fully cured.
- Contains Portland cement and silica sand. May irritate eyes and skin.
Avoid contact with eyes or prolonged contact with skin.
In case of contact, flush thoroughly with water at least for 15 minutes and seek medical help if burning continues.
- Do not take internally. Silica sand may serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children

Warranty

Instachem Industries Pvt Ltd warrants that INSTA BOND-BLOCK JOINING MORTAR, Thin bed mortar is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of 12 months from the date of manufacture, subject to the terms and conditions stated in INSTACHEM Product Warranty.

Contact Us..!

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Disclaimer: Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions. There are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.